

**United States**  
**Department of the Interior**  
**Osage Indian Agency**  
Pawhuska, Oklahoma

Date: February 11, 2013**Application For the Operation or Report on Wells**

North Burbank Unit Tract 5

(Commencement money paid to whom)

(Date)

(Amount)

Well No.: 4 is located 300 Ft. from **S** line and 300 Ft. from **E** lineSE/4 Sec 0227N05EOsage County, Oklahoma

(% Sec. &amp; Sec. No.)

(Twp)

(Range)

The elevation of the ground level above sea level is 1082 Ft.**Use This Side to Request Authority for Work**

(Three Copies Required)

**Notice of Intention To:**

- Drill..... ☐  
 Plug..... ☐  
 Deepen or plug back.. ☐  
 Convert..... ☐  
 Pull or alter casing..... ☐  
 Formation Treatment.. ☐  
 ..... ☐

**Details of Work**

Drilling applications will state proposed TD & horizons to be tested. Show size & length of casings to be used. Indicate proposed mudding, cementing & other work.  
Plugging applications shall set forth reasons for plugging & detailed statement of proposed work.  
Plugging will not commence until 10 days following approval date unless authority granted for earlier commencement.

A \$15.00 plugging fee is also required with each application to plug.

         Bbls oil          Bbls water in 24 hrs

I understand that this plan of work must receive approval in writing of the Osage Indian Agency before operations may be commenced.

Lessee:

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Address: 701 Cedar Lake Blvd., Oklahoma City, Oklahoma 73114**Use This Side To Report Completed Work**

(One Copy Required)

**Character of Well (oil, gas or dry)**Oil

Subsequent Report of:

Conversion..... ☐Formation Treatment.. ☐Altering casing..... ☒Plugging Back..... ☐Plugging..... ☐**Details of Work & Results Obtained**

MIRU. POOH w/tbg. TIH w/7" scraper to top of 5-1/2" liner @ 2770'. POOH w/BHA. TIH w/5-1/2" scraper to 2920'. Bottom of 5-1/2" liner @ 2900'. POOH w/BHA. RU Elite WL. Set 5-1/2" composite plug @ 2890'. Shot 2 holes @ 2880', 2870', 2850', 2830', 2810', 2790', 2760', 2740', 500' & 400'. RD Elite. TIH w/67 jts 15.50# 5-1/2", bottom 3 jts are FJ chrome. Set floatshoe @ 2770' & port collar @ 476'. RU Chaparral Cementers. Pumped 150 sks reg cmt w/2% gel followed w/50 sks reg cmt. TIH w/opening tool to port collar @ 476'. Opened port collar & pumped 600 sks reg cmt down 5-1/2" + 7" + 8-5/8" annulus to surface. ( OVER )

Work commenced: 6/4/2012Work completed: 6/12/2012

(Continue on reverse if necessary)

**This block for plugging information only****Casing Record**

Size	In Hole When Started	Amnt. Recovered	If Parted	How
			Depth	

Original TD \_\_\_\_\_

Lessee: Chaparral Energy, L.L.C.By: Erwin Pino  
Erwin Pino

Regulatory Engineer

Subscribed and sworn to before me this 14th day of Feb, 2013

Closed port collar. Pressured up 5-1/2" csg, tested good. RD CC.TIH w/4-3/4" bit to floatshoe @ 2770'. RU Power Swivel. Drilled out floatshoe, drilled out 5-1/2" composite plug @ 2890' & ran bit to TD of 2980'. Circ hole clean. POOH w/BHA. TIH w/5-1/2" stainless Arrowset 1-X w/on & off tool on top of pkr & automatic shut off on bottom & 85 jts 2-3/8" 70 XT-TK, 1-4', 1-6', 1-8' sub below top jt. Pumped pkr fluid & set pkr @ 2751', pressured up csg to 1000 psi, tested good. Will put back on production when needed for CO2 flood.

CHAPARRAL ENERGY, L.L.C.

LEASE NBU

SEC      TWP      RANGE      WELL# 5-4

DATE 6-6-12

JOB DESCRIPTION CEMENT 5½ LINER WITH PORT COLLAR

HOOK UP TO 5½ PIPE PUMP 80 BBL WATER TO HOOD EASY  
AND GET CIRCULATION PUMP 150 SK REG. CEMENT WITH 2%  
GEL AND 50 SK REG CEMENT WASH LINES OUT, DROP WIPER  
PLUG. DISPLACE PLUG WITH 65 BBL WATER, LAND PLUG AT  
1000 PSI. TEST PLUG, PLUG HELD

CONSOLIDATED FINISH CEMENTING TOP OF LINER  
EQUIPMENT ON LOCATION

Rig# E2512

Tubing Trailer     

Pump Truck E6984

Bulk Truck E6985

Bulk Truck     

Water Truck CONTRACT DTP

Water Truck CONTRACT DTP

MATERIAL USED

2% SK GEL

200 SK REG. CEMENT



6/7/2012



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## CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	Chaparral	State, County	Osage, Oklahoma	Cement Type	CLASS A
Job Type	Port Collar	Section		Excess (%)	
Customer Acct #		TWP		Density	15.6
Well No.	NBU 5-4	RGE		Water Required	
Mailing Address		Formation		Yield	1.18
City & State		Hole Size		Slurry Weight	
Zip Code		Hole Depth		Slurry Volume	
Contact		Casing Size	5 1/2	Displacement	
Email		Casing Depth		Displacement PSI	
Cell		Port Collar	518'	MIX PSI	300-600
Dispatch Location	BARTLESVILLE	Tubing	2 3/8	Rate	4bpm
<b>Code</b>	<b>Cement Pump Charges and Mileage</b>	<b>Quantity</b>	<b>Unit</b>	<b>Price per Unit</b>	
5401	CEMENT PUMP (2 HOUR MAX)	1	2 HRS MAX	\$1,030.00	\$ 1,030.00
5406	EQUIPMENT MILEAGE (ONE-WAY)	55	PER MILE	\$4.00	\$ 220.00
5407	MIN. BULK DELIVERY (WITHIN 50 MILES)	2	PER LOAD	\$350.00	\$ 700.00
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
5402	FOOTAGE		PER FOOT	0.22	\$ -
<b>EQUIPMENT TOTAL</b>					<b>\$ 1,950.00</b>
	<b>Cement, Chemicals and Water</b>				
1104S	CLASS "A" CEMENT (SALES) BLEND(SK)	600	0	\$14.95	\$ 8,970.00
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
<b>CHEMICAL TOTAL</b>					<b>\$ 8,970.00</b>
	<b>Water Transport</b>				
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
<b>TRANSPORT TOTAL</b>					<b>\$ -</b>
	<b>Cement Floating Equipment (TAXABLE)</b>				
	Cement Basket		0	\$0.00	\$ -
0			0	\$0.00	\$ -
	Centralizer		0	\$0.00	\$ -
0			0	\$0.00	\$ -
	Float Shoe		0	\$0.00	\$ -
0			0	\$0.00	\$ -
	Float Collars				



6/7/2012



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## CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	Chaparral	State, County	Osage , Oklahoma	Cement Type	CLASS A
Customer Acct #		Section	0	Excess (%)	
Well No.	0	TWP	0	Density	15.6
Mailing Address	NBU 5-4	RGE	0	Water Required	0
City & State	0	Formation	0	Yield	1.18
Zip Code	0	Hole Size		Slurry Weight	0
Contact	0	Hole Depth	0	Slurry Volume	0
Email	0	Casing Size	5.5	Displacement	0
Cell	0	Casing Depth	0	Displacement PSI	0
Office	0	Port Collar	518'	MIX PSI	300-600
Dispatch Location	BARTLESVILLE	Tubing	2.375	Rate	4bpm

## REMARKS

Pressured up on collar to make sure it was closed, opened collar and established circ. Ran 600sx of cement and displaced 2bbl. Shut collar and pressured up to make sure it closed. Rig ran in 4 joints and reverse circulated hole clean. Shut down and washed up.

